

## **EXECUTIVE SUMMARY**

### **Project Title:**

Remote Nuclear Reactor Measurements Laboratory:  
Development of innovative web-based nuclear engineering measurement modules to be offered at a distance

### **Objective and Benefits:**

The objective of this proposal is to increase the number of students and professionals who have enhanced understanding of fundamental principles, skills and techniques in nuclear engineering derived through hands-on laboratory exploration of those principles using advanced web-based streaming media technology. The use of innovative web-based E-learning technologies to provide nuclear engineering educational modules benefit institution of higher education as well as operator of nuclear generating stations. These modules will be offered, at a distance, to other schools and colleges who do not have the infrastructure to provide hands-on laboratory experiences. Additionally these modules can be offered to nuclear power plant operators, engineering staff and management of nuclear utilities who can observe theory in action by witnessing transient reactor behavior which are not easily observed or simulated at power plants.